R E P O R T R E S U M E S

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STUDENT ATTITUDE SURVEY, CLARK HIGH SCHOOL.
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AN INVESTIGATION WAS MADE TO DISCOVER CLARK HIGH SCHOOL STUDENTS' ATTITUDES TOWARD PEERS, THE PHYSICAL ENVIRONMENT, TEACHERS, ADMINISTRATORS, THE CURRICULUM, AND EDUCATIONAL VALUES, AND TO CONSTRUCT A STUDENT ATTITUDE INSTRUMENT. A REVIEW OF LITERATURE RELATED TO STUDENT ATTITUDES WAS MADE. EIGHT HUNDRED AND THIRTY-SEVEN CLARK HIGH SCHOOL STUDENTS WERE GIVEN THE CLARK HIGH SCHOOL ATTITUDE SCALE (CHSSAS). THE CHSSAS IS A LIKERT-TYPE ATTITUDE SCALE, CONSISTING OF 65 ITEMS ARRANGED IN SIX SUBSCALES. CORRELATIONS BETWEEN THE SUBSCALES ARE PROVIDED. RESPONSES WERE TRANSFERRED FROM STUDENT RESPONSE CARDS TO IBM KEY-PUNCH CARDS, AND THE NUMBER OF RESPONSES WAS OBTAINED. THE NUMBER OF RESPONSES WAS THEN CONVERTED TO PERCENTAGES, AND MEAN RESPONSE-WEIGHTS FOR SEX AND GRADE LEVELS WERE DETERMINED. ANALYSES OF THE ITEM RESPONSES WERE REPORTED IN 70 TABLES, AND A GENERAL ANALYSIS WAS GIVEN IN FOUR TABLES. A SUMMARY OF THE RESULTS IS GIVEN AND A COPY OF THE QUESTIONNAIRE IS INCLUDED. (PS)

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STUDENT ATTITUDE SURVEY

ED W. CLARK

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STUDENT ATTITUDE SURVEY

CLARK HIGH SCHOOL

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George A. Jeffs

PROBLEM

Teachers and administrators are constantly challenged by student attitudes. Attitudes may be recognized as contributing to or thwarting the teaching-learning process. The educator can do little to promote positive attitude if the direction of attitude is unknown. A problem which confronts school personnel then is that of determining direction of student attitude.

PURPOSE

The purpose of this investigation was twofold:

1. To discover Clark High School students' attitudes toward

    a) peers or student body
    b) the physical environment
    c) teachers
    d) administrators
    e) curriculum
    f) educational values

2. To construct a student attitude instrument

REVIEW OF LITERATURE

McDonald (1960, p.214) has defined an attitude as

> ...a predisposition to action, a state of readiness to act in a particular way. Attitudes are generalized states of the individual, which lead to or result in a wide variety of particular ways of behaving.

Sewell (1963) indicated that although there is a considerable degree of inconsistency in the beliefs of high school students, attitudes can be measured and can be changed. Jimerson (1965) believes that student attitudes can indeed be changed. This author indicated that modification of attitude results from the student's creative thinking. A challenge to the teacher, then, may be to promote an atmosphere that is conducive to creative thinking.

Attitudes are most certainly important to educators because they well may influence the educative process. Attitudes may interfere with the psychological processes such as learning, perception, and remembering (Lindzey, 1959). Newcomb (1946) found that errors on an information test were related to the respondent's attitude. It might be said that it is the charge of the school to attempt to change negative

attitudes. Mere exposure to the content of a course does not, however, guarantee that students' attitudes will change regarding the topics being studied (Langey, 1956; Stevenson, 1955). Two researchers (Albini and Dinitz, 1965) offered 73 boys aged seven to 15 and classed as mentally retarded a psychotherapy program in an attempt to promote a more positive attitude toward learning. While no significant difference in attitude occurred between the pre- and post-therapy period, a positive gain in attitude was noted.

Eames (1965, pp. 3-16) investigated the attitudes of adolescents in the Boston, Massachusetts area:

> He has a definite idea of the characteristics of a good teacher; a penetrating perception of her strengths and weaknesses, yet he approves of her. He is quick to detect lack of interest or incompetency when he meets it but realizes it is the exception among teachers. Although he has a reserved, friendly feeling for all school personnel, he has inadequate images of the principal and the guidance officer.

This same author (Eames, 1965, pp. 17-21) offered the percentage of responses of 450 adolescents to such school-related items as discipline, the principal, and the teacher:

Discipline	Percent
Good discipline should be maintained	29
Discipline should be based on mutual respect between teachers and pupils	8
Pupil worried about disciplinary problems	9
Principal	
Characteristics of a good principal:	
Understanding	57
Friendly	27
Sets good example	14
Fair	17
Teachers	
Characteristics of a good teacher:	
Explains clearly and thoroughly	88
Gives clear directions	74
Thorough knowledge of subject	83

Teachers (cont'd)

Ready to help pupils	72
Willing to give extra help	71
Likes the pupils	68
Strict but fair	60
Fair	43
Well-groomed	43

Bond (1940) discovered that emphasizing problem-solving and critical thinking in the classroom produced greater understanding of the generalizations and also induced positive attitude change toward national groups, races, and imperialism. Another study (Laird and Cumbree, 1952) suggested that when procedures are used that require greater personal involvement, attitude changes are more likely to occur. Several school systems have initiated comprehensive programs to bring about attitude changes (Halligan, 1943; Cummings, 1949; Levine, 1946; Dimond, 1948).

POPULATION

The population involved in this investigation consisted of the entire student body of the Ed W. Clark High School. This group of students, approximating 2000 in number, were in attendance during the 1965-1966 academic year.

Sample

The sample of students involved in this investigation consisted of 837 randomly selected 8th, 9th, 10th, and 11th grade boys and girls. The students participating in the sample were those students assigned to the various academic levels of English classes. The Clark High School Department of English has established three academic levels and assigned students to a level on the basis of achievement and aptitude. Three classes representing each academic level for each grade level or a total of 36 classes were randomly selected and the students therein administered the Clark High School Student Attitude Scale.

INSTRUMENTATION

The instrument employed to assess the attitudes of the population involved in this study was the Clark High School Student Attitude Scale constructed by George A. Jeffs. A copy of this instrument may be found in Appendix A of this paper.

Construction of Clark High School Student Attitude Scale

The Clark High School Student Attitude Scale is a Likert type attitude scale designed to measure six aspects of the students' attitudes toward Clark High School. The six attitude areas measured include student body, physical plant, teachers, administrators, curriculum, and educational values.

Subscale A, Attitude Toward Student Body. These items are designed to measure students' attitudes toward his peer group such as general appearance, attitudes, habits, and general behavior.

Subscale B, Physical Plant. These items are designed to measure students' attitudes toward the physical environment at Clark High School such as classroom design, adaptability of furniture, and physical conduciveness to learning.

Subscale C, Teachers. These items are designed to measure those aspects of the students' over-all attitudes toward school situations which relate specifically to teachers.

Subscale D, Administrators. These items are designed to measure students' attitudes tward the principal and vice principals of Clark High School such as the administrators' degree of flexibility, or the degree of democratic framework in which he works.

Subscale E, Curriculum. These items are designed to measure the specific educational program and curriculum of Clark High School. These items assess students' stated values of the curricular design, the practicality of the curricular offerings, and the appropriateness of the school's educational program.

Subscale E, Educational Values. These items are designed to measure students' attitudes toward the importance of education. Student responses indicate the degree to which the student values education as a means of attaining future goals.

The original attitude scale consisted of 96 items assessing the six areas heretofore noted. This instrument was pre-tested at Valley High School, Las Vegas, Nevada on December 14, 1965. Sixty-five of the original 96 items survived an item analysis. Valley High School was selected for pre-testing because the physical plant is exactly like that of Clark High School and many of the items contained in the attitude scale were directed toward the physical environment of the school.

Table 1 offers the reader the correlations between the six subscales. Correlations range from .41 to .72 -- these correlations indicate that although all of the scales relate to a global attitude toward school, each has a considerable degree of unique variance.

Table 1. Correlations between subscales

	Subscale					
	A	B	C	D	E	F
Subscale A		.69	.41	.66	.41	.52
Subscale B	.69		.49	.68	.48	.55
Subscale C	.41	.49		.72	.71	.59
Subscale D	.66	.68	.72		.64	.54
Subscale E	.41	.48	.71	.64		.57
Subscale F	.52	.55	.59	.54	.57	

The reader may review from Table 2 the split-half reliabilities of the total instrument and the six subscales. These reliabilities were computed for the initial norm group at Valley High School, Las Vegas, Nevada.

Table 2. Corrected split-half reliabilities for the total attitude instrument and six subscales

	Subscale	Reliability*
A.	Attitude Toward Student Body	.34
B.	Attitude Toward Physical Plant	.81
C.	Attitude Toward Teachers	.95
D.	Attitude Toward Administrators	.91
E.	Attitude Toward Curriculum	.86
F.	Attitude Toward Educational Values	.80
	TOTAL SCALE	.96

*Corrected using the Spearman-Brown Prophesy Formula

The reader may review from Table 3 the validity and direction of each item for each of the six subscales.

Table 3. Item analysis summary

Item	Subscale	Direction of Item	Item Validity
1	A	-	.21
29	A	-	.27
33	A	-	.23
47	A	-	.36
3	B	-	.26
12	B	+	.30
17	B	+	.21
30	B	-	.49
35	B	-	.51
43	B	+	.38
49	B	+	.31
54	B	+	.23
62	B	+	.26
65	B	+	.56
4	C	+	.49
7	C	-	.56
8	C	+	.53
13	C	+	.57

Table 3. Item analysis summary (cont'd)

Item	Subscale	Direction of Item	Item Validity
14	C	-	.31
18	C	+	.31
19	C	-	.32
21	C	+	.21
22	C	-	.57
25	C	+	.62
26	C	+	.43
31	C	-	.43
36	C	-	.54
39	C	+	.40
40	C	-	.41
44	C	-	.52
45	C	-	.38
50	C	-	.50
51	C	+	.35
56	C	-	.41
57	C	-	.42
59	C	+	.65
64	C	-	.53

Table 3. Item analysis summary (cont'd)

Item	Subscale	Direction of Item	Item Validity
2	D	-	.50
34	D	+	.51
42	D	-	.51
48	D	+	.40
5	E	+	.45
9	E	-	.42
10	E	-	.21
15	E	-	.38
20	E	-	.34
23	E	-	.30
24	E	-	.38
27	E	+	.56
28	E	-	.36
32	E	-	.40
37	E	+	.34
38	E	+	.22
46	E	+	.36
52	E	-	.64
55	E	-	.55

Table 3. Item analysis summary (cont'd)

Item	Subscale	Direction of Item	Item Validity
58	E	-	.48
60	E	-	.45
6	F	+	.20
11	F	-	.36
16	F	+	.25
41	F	+	.48
53	F	-	.20
61	F	+	.22
63	F	-	.24

ANALYSIS

Analysis of data was initiated by transferring responses from student response cards to IBM key-punch cards. Data were further processed by obtaining the number of responses to items. A small percentage (.88 percent) of the responses proved invalid. The number of responses was then converted to percentages. Mean response weights for sex and grade levels were also determined. Each analysis table, then, offers the reader the percentage of students responding to a particular item or group of items by sex and grade level. Each analysis table also offers the reader the grand total or composite sex and grade level responses by percentage as well as the mean weight of responses.

PROCEDURE

The Clark High School Student Attitude Scale was administered to 837 9th, 10th, and 11th grade boys and girls during the week of April 11-15, 1966. The responses were analyzed and are herein reported in Tables 4 through 74. Tables 69 through 74 are summary tables.

Table 4. Analysis of responses to question number 1

MALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	20.43	39.78	29.03	6.45	4.30	3.66
9	27.52	41.28	22.02	5.50	3.67	3.74
10	20.21	38.30	27.66	8.51	5.32	3.60
11	14.44	52.22	21.11	11.11	1.11	3.59
Total males	20.98	42.75	24.87	7.77	3.63	3.70
FEMALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	14.55	50.00	26.36	7.27	1.82	3.68
9	21.38	42.07	28.97	5.52	2.07	3.75
10	14.91	47.37	30.70	5.26	1.75	3.68
11	10.13	54.43	26.58	6.33	2.53	3.63
Total females	16.07	47.54	28.35	6.03	2.01	3.70
MALE AND FEMALE						
Grand total	18.35	45.32	26.74	6.83	2.76	3.70

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 5. Analysis of responses to question number 2

MALE						
	Percent responding to weight category*					Mean score for
Grade level	5	4	3	2	1	item
8	15.96	30.85	27.66	18.09	7.45	3.30
9	13.76	31.19	25.69	20.18	9.17	3.20
10	8.42	34.74	27.37	15.79	13.68	3.08
11	11.11	40.00	21.11	17.78	10.00	3.24
Total males	12.37	34.02	25.52	18.04	10.05	3.21
FEMALE						
	Percent responding to weight category*					Mean score for
Grade level	5	4	3	2	1	item
8	17.27	35.45	21.82	14.55	10.91	3.34
9	16.55	36.55	15.17	20.69	11.03	3.27
10	22.61	39.13	17.39	13.04	7.83	3.56
11	16.46	35.44	13.92	21.52	12.66	3.22
Total females	18.26	36.75	17.15	17.37	10.47	3.35
MALE AND FEMALE						
Grand total	15.53	35.48	21.03	17.68	10.27	3.28

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 6. Analysis of responses to question number 3

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
MALE						
8	57.45	25.53	8.51	2.13	6.38	4.26
9	52.29	30.28	9.17	2.75	5.50	4.21
10	35.79	31.58	14.74	9.47	8.42	3.77
11	54.44	22.22	6.67	11.11	5.56	4.09
Total males	50.00	27.58	9.79	6.19	6.44	4.09
FEMALE						
8	47.71	29.36	12.84	5.50	4.59	4.10
9	49.66	29.66	12.41	6.21	2.07	4.19
10	47.83	29.57	13.04	6.96	2.61	4.13
11	59.49	29.11	5.06	5.06	1.27	4.41
Total females	50.45	29.46	11.38	6.03	2.68	4.19
MALE AND FEMALE						
Grand total	50.24	28.59	10.65	6.10	4.43	4.14

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 7. Analysis of responses to question number 4

MALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	20.21	35.11	12.77	20.21	11.70	3.32
9	11.21	41.12	14.95	18.69	14.02	3.17
10	6.38	39.36	19.15	21.28	13.83	3.03
11	8.89	42.22	16.67	25.56	6.67	3.21
Total males	11.69	39.48	15.84	21.30	11.69	3.18
FEMALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	10.91	39.09	20.00	21.82	8.18	3.23
9	12.41	42.76	11.72	23.45	9.66	3.25
10	14.91	42.98	11.40	20.18	10.53	4.09
11	8.86	44.30	18.99	16.46	11.39	3.23
Total females	12.05	42.19	14.96	20.98	9.82	3.26
MALE AND FEMALE						
Grand total	11.88	40.94	15.37	21.13	10.68	3.22

* 5=strongly agree
4=agree
3=neither agree nor disagree
2=disagree
1=strongly disagree

Table 8. Analysis of responses to question number 5

MALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	25.53	43.62	17.02	6.38	7.45	3.73
9	12.96	28.70	24.07	13.89	20.37	2.87
10	17.02	28.72	18.09	18.09	18.09	3.09
11	14.44	34.44	24.44	14.44	12.22	3.24
Total males	17.36	33.68	20.98	13.21	14.77	3.26
FEMALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	25.45	40.00	21.82	8.18	4.55	3.74
9	22.92	32.64	27.08	6.94	10.42	3.51
10	14.91	38.60	21.05	18.42	7.02	3.56
11	16.67	43.59	21.79	14.10	3.85	3.55
Total females	20.40	37.89	23.32	11.43	6.95	3.47
MALE AND FEMALE						
Grand total	18.99	35.94	22.24	12.26	10.58	3.41

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 9. Analysis of responses to question number 6

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
MALE						
8	27.66	29.79	31.91	7.45	3.19	3.71
9	37.61	33.94	16.51	7.34	4.59	3.93
10	14.89	50.00	21.28	10.64	3.19	3.63
11	21.11	44.44	16.67	13.33	4.44	3.64
Total males	25.84	39.28	21.45	9.56	3.86	3.74
FEMALE						
8	33.03	29.36	22.02	11.92	3.67	3.76
9	28.77	39.73	19.86	7.53	4.11	3.95
10	19.13	46.96	20.00	10.43	3.48	3.68
11	16.88	37.66	15.58	27.27	2.60	3.39
Total females	25.28	38.70	19.69	12.75	3.58	3.69
MALE AND FEMALE						
Grand total	25.54	38.97	20.50	11.27	3.72	3.71

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 10. Analysis of responses to question number 7

MALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	31.91	29.79	13.83	15.96	8.51	3.61
9	22.94	35.78	15.60	14.68	11.01	3.45
10	12.63	42.11	16.84	16.84	11.58	3.27
11	16.67	37.78	13.33	21.11	11.11	3.28
Total males	21.13	36.34	14.95	17.01	10.57	3.40

FEMALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	18.18	31.82	24.55	16.36	9.09	3.34
9	20.00	29.66	15.17	24.14	11.03	3.23
10	15.79	36.84	17.54	19.30	10.53	3.28
11	8.86	41.77	16.46	12.66	20.25	3.06
Total females	16.52	34.15	18.30	18.97	12.05	3.24

MALE AND FEMALE

Grand total	18.66	35.17	16.75	18.06	11.36	3.32

* 5= strongly agree
4= agree
3=neither agree nor disagree
2= disagree
1= strongly disagree

Table 11. Analysis of responses to question number 8

MALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	10.75	32.26	22.58	18.28	16.13	3.03
9	10.19	31.48	16.67	22.22	19.44	2.91
10	9.57	24.47	32.98	21.28	11.70	2.99
11	5.56	40.00	18.89	20.00	15.56	3.00
Total males	9.09	31.95	22.60	20.52	15.84	2.98

FEMALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	10.09	33.03	23.85	17.43	15.60	3.05
9	10.42	29.17	26.39	20.83	13.19	3.03
10	4.35	32.17	26.09	18.26	19.13	2.84
11	8.97	35.90	20.51	21.79	12.82	3.06
Total females	8.52	32.06	24.66	19.51	15.25	2.99

MALE AND FEMALE

Grand total	8.78	32.01	23.71	19.98	15.52	2.99

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 12. Analysis of responses to question number 9

MALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	32.98	30.85	21.28	11.70	3.19	3.79
9	31.19	32.11	13.76	11.93	11.01	3.61
10	10.53	41.05	17.89	24.21	6.32	3.25
11	22.22	45.56	17.78	5.56	8.89	3.67
Total males	24.48	37.11	17.53	13.40	7.47	3.58

FEMALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	31.19	33.94	17.43	10.09	7.34	3.72
9	30.34	33.79	16.55	8.97	10.34	3.65
10	29.57	35.65	21.74	6.09	6.96	3.75
11	25.32	45.57	11.39	11.39	6.33	3.72
Total females	29.46	36.38	17.19	8.93	8.04	3.70

MALE AND FEMALE

Grand total	27.15	36.72	17.34	11.00	7.78	3.64

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 13. Analysis of responses to question number 10

MALE						
	Percent responding to weight category*					Mean score for
Grade level	5	4	3	2	1	item
8	7.53	15.05	18.28	32.26	26.88	2.44
9	3.81	10.48	15.24	39.05	31.43	2.16
10	2.15	16.13	20.43	43.01	18.28	2.41
11	3.49	15.12	24.42	30.23	26.74	2.38
Total males	4.24	14.06	19.36	36.34	25.99	2.34

FEMALE						
	Percent responding to weight category*					Mean score for
Grade level	5	4	3	2	1	item
8	5.45	17.27	12.73	37.27	27.27	2.36
9	6.25	12.50	17.31	34.72	29.17	2.39
10	2.65	24.78	12.39	39.82	20.35	2.96
11	6.41	25.64	21.79	29.49	16.67	2.76
Total females	5.17	19.10	15.73	35.73	24.27	2.45

MALE AND FEMALE						
Grand total	4.74	16.79	17.40	36.01	25.06	2.40

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 14. Analysis of responses to question number 11

MALE						
	Percent responding to weight category*					Mean score for
Grade level	5	4	3	2	1	Item
8	21.51	24.73	23.66	22.58	7.53	3.30
9	18.35	22.94	23.85	19.27	15.60	3.09
10	11.58	24.21	30.53	20.00	13.68	3.00
11	5.56	42.22	18.89	21.11	12.22	3.08
Total males	14.47	28.17	24.29	20.67	12.40	3.12
FEMALE						
	Percent responding to weight category*					Mean score for
Grade level	5	4	3	2	1	item
8	25.45	19.09	23.64	25.45	6.36	3.32
9	27.59	20.69	28.97	15.17	7.59	3.46
10	20.00	25.22	24.35	21.74	8.70	3.26
11	21.52	37.97	15.19	16.46	8.86	3.47
Total females	24.05	24.50	24.05	19.60	7.80	3.37
MALE AND FEMALE						
Grand total	19.62	26.20	24.16	20.10	9.93	3.25

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 15. Analysis of responses to question number 12

MALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	81.91	10.64	5.32	1.06	1.06	4.71
9	77.78	20.37	.93	.93	0.0	4.75
10	64.89	19.15	10.64	3.19	2.13	4.41
11	79.78	14.61	1.12	2.25	2.25	4.67
Total males	76.10	16.36	4.42	1.82	1.30	4.64

FEMALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	74.55	17.27	2.73	2.73	2.73	4.58
9	74.48	15.17	2.76	6.90	.69	4.56
10	73.04	20.00	3.48	1.74	1.74	4.61
11	65.38	25.64	2.56	3.85	2.56	4.47
Total females	72.54	18.75	2.90	4.02	1.79	4.56

MALE AND FEMALE

Grand total	74.19	17.65	3.60	3.00	1.56	4.60

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 16. Analysis of responses to question number 13

MALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	12.77	30.85	29.79	13.83	12.77	3.17
9	17.43	30.28	24.77	15.60	11.92	3.26
10	12.77	32.98	17.02	17.02	20.21	3.01
11	12.22	35.56	15.56	22.22	14.44	3.09
Total males	13.95	32.30	21.96	17.05	14.73	3.14
FEMALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	11.92	30.28	24.77	19.27	13.76	3.26
9	13.99	32.87	22.38	16.78	13.99	3.16
10	8.70	37.39	23.48	18.26	12.17	3.12
11	10.13	30.38	24.05	16.46	18.99	2.96
Total females	11.43	32.96	23.54	17.71	14.35	3.09
MALE AND FEMALE						
Grand total	12.61	32.65	22.81	17.41	14.53	3.11

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 17. Analysis of responses to question number 14

MALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	5.38	35.48	25.81	23.66	9.68	3.03
9	12.96	26.85	26.85	25.93	7.41	3.12
10	5.26	31.58	30.53	22.11	10.53	2.99
11	7.78	31.11	26.67	27.78	6.67	3.06
Total males	8.03	31.09	27.46	24.87	8.55	3.05

FEMALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	13.76	27.52	33.03	16.51	9.17	3.20
9	7.64	27.78	23.61	28.47	12.50	2.90
10	5.22	30.43	32.17	24.35	7.83	3.01
11	11.39	32.91	27.85	20.25	7.59	3.20
Total females	9.17	29.31	28.86	23.04	9.62	3.05

MALE AND FEMALE

Grand total	8.64	30.13	28.21	23.89	9.12	3.05

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 18. Analysis of responses to question number 15

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
MALE						
8	26.09	40.22	10.87	10.87	11.96	3.58
9	21.30	32.41	14.81	17.59	13.89	3.30
10	9.47	34.74	24.21	24.21	7.37	3.15
11	11.24	32.58	21.35	22.47	12.36	3.08
Total males	17.19	34.90	17.71	18.75	11.46	3.28
FEMALE						
8	20.91	32.73	14.55	32.73	20.91	3.33
9	22.07	28.28	20.00	19.31	10.34	3.32
10	18.26	40.87	10.43	22.61	7.83	3.39
11	10.13	35.44	17.22	18.99	17.72	3.01
Total females	18.71	33.85	15.81	20.71	10.91	3.29
MALE AND FEMALE						
Grand total	18.01	34.33	16.69	19.81	11.16	3.28

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 19. Analysis of responses to question number 16

MALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	77.66	12.77	3.19	0.0	6.38	4.55
9	85.32	9.17	2.75	.92	1.83	4.75
10	87.10	5.38	4.30	1.08	2.15	4.74
11	88.89	3.33	6.67	0.0	1.11	4.79
Total males	84.72	7.77	4.15	.52	2.85	4.71

FEMALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	82.57	8.26	4.59	0.0	4.59	4.64
9	76.55	9.66	8.97	1.38	3.45	4.54
10	88.60	4.39	3.51	.88	2.63	4.75
11	87.18	6.41	0.0	3.85	2.56	4.72
Total females	82.96	7.40	4.93	1.35	3.36	4.65

MALE AND FEMALE

Grand total	83.77	7.57	4.57	.96	3.13	4.68

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 20. Analysis of responses to question number 17

MALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	10.87	22.83	33.70	19.57	13.04	2.99
9	14.95	23.36	26.17	13.08	22.43	2.95
10	4.21	29.47	28.42	20.00	17.89	2.82
11	11.11	31.11	30.00	21.11	6.67	3.19
Total males	10.42	26.56	29.43	18.23	15.36	2.98

FEMALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	7.34	26.61	33.03	21.10	11.92	2.96
9	20.69	21.38	31.03	19.31	7.59	3.28
10	9.57	29.57	23.48	23.48	13.91	2.97
11	12.66	16.46	27.85	34.18	8.86	2.90
Total females	13.17	23.88	29.02	23.44	10.49	3.06

MALE AND FEMALE

Grand total	11.90	25.12	29.21	21.03	12.74	3.02

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 21. Analysis of responses to question number 18

MALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	13.98	46.24	22.58	10.75	6.45	3.51
9	11.01	44.95	27.52	5.50	11.01	3.39
10	7.45	39.36	32.98	12.77	7.45	3.27
11	7.78	41.11	31.11	13.33	6.67	3.30
Total males	10.10	43.01	28.50	10.36	8.03	3.37

FEMALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	11.01	42.20	33.94	5.50	7.34	3.44
9	9.72	39.58	33.33	14.58	2.78	3.39
10	4.35	42.61	33.04	15.65	4.35	3.27
11	7.59	43.04	30.38	15.19	3.80	3.35
Total females	8.28	41.61	32.89	12.75	4.47	3.36

MALE AND FEMALE

Grand total	9.12	42.26	30.85	11.64	6.12	3.37

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 22. Analysis of responses to question number 19

MALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	9.68	25.81	27.96	25.81	10.75	2.98
9	5.56	34.26	27.78	22.22	10.19	3.03
10	6.32	30.53	28.42	27.37	7.37	3.01
11	3.33	46.67	28.89	17.78	3.33	3.29
Total males	6.22	34.20	28.24	23.32	8.03	3.07
FEMALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	6.42	20.18	33.03	32.11	8.26	2.84
9	6.25	32.64	24.31	28.47	8.33	3.00
10	11.30	28.70	24.35	24.35	11.30	3.04
11	6.41	16.67	19.23	51.28	6.41	3.35
Total females	7.62	31.84	25.56	26.23	8.74	3.03
MALE AND FEMALE						
Grand total	6.97	32.93	26.80	24.88	8.41	3.05

* 5= strongly agree
4= agree
3= neither agree nor disagree
2=disagree
1= strongly disagree

Table 23. Analysis of responses to question number 20

MALE						
	Percent responding to weight category*					Mean score for
Grade level	5	4	3	2	1	item
8	15.56	22.22	23.33	22.22	16.67	2.98
9	9.52	28.57	17.14	22.86	21.90	2.81
10	10.64	30.85	19.15	23.40	15.96	2.97
11	6.67	30.00	15.56	27.78	20.00	2.76
Total males	10.55	27.97	18.73	24.01	18.73	2.88
FEMALE						
	Percent responding to weight category*					Mean score for
Grade level	5	4	3	2	1	item
8	21.10	28.44	15.60	20.18	14.68	2.84
9	11.64	25.34	15.75	26.03	21.23	2.80
10	14.78	34.18	13.04	20.87	16.52	3.10
11	11.39	24.05	18.99	30.38	15.19	2.86
Total females	14.70	28.29	15.59	24.05	17.37	2.99
MALE AND FEMALE						
Grand total	12.80	28.14	17.03	24.03	18.00	2.94

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 24. Analysis of responses to question number 21

MALE						
	Percent responding to weight category*					Mean score for
Grade level	5	4	3	2	1	item
8	38.71	40.86	15.05	1.08	4.30	4.07
9	30.19	50.00	13.21	3.77	2.83	4.01
10	22.34	57.45	10.64	6.38	3.19	3.89
11	30.00	52.22	14.44	1.11	2.22	4.07
Total males	30.29	50.13	13.32	3.13	3.13	4.01
FEMALE						
	Percent responding to weight category*					Mean score for
Grade level	5	4	3	2	1	item
8	30.84	44.86	13.08	9.35	1.87	3.93
9	28.97	46.90	14.48	5.52	4.14	3.91
10	34.78	53.91	11.30	0.0	0.0	4.23
11	33.33	50.00	7.69	7.69	1.28	4.06
Total females	31.69	48.76	12.13	5.39	2.02	4.03
MALE AND FEMALE						
Grand total	31.04	49.40	12.68	4.35	2.54	4.02

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 25. Analysis of responses to question number 22

MALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	10.87	33.70	35.87	11.96	7.61	3.28
9	14.02	41.12	26.17	11.21	7.48	3.20
10	9.47	34.74	33.68	13.68	8.42	3.23
11	17.78	44.44	23.33	11.11	3.33	3.62
Total males	13.02	38.54	29.69	11.98	6.77	3.39
FEMALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	15.45	31.82	29.09	14.55	9.09	3.30
9	8.33	32.64	36.81	14.58	7.64	3.19
10	10.43	41.74	24.35	18.26	5.22	3.34
11	18.99	40.51	18.99	17.72	3.80	3.53
Total females	12.50	36.16	28.57	16.07	6.70	3.32
MALE AND FEMALE						
Grand total	12.74	37.26	29.09	14.18	6.73	3.35

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 26. Analysis of responses to question number 23

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
MALE						
8	28.26	18.48	26.09	16.30	10.87	3.37
9	27.78	24.07	22.22	14.81	11.11	3.43
10	19.15	28.72	20.21	24.47	7.45	3.28
11	28.89	34.44	21.11	7.78	7.78	3.69
Total males	26.04	26.30	22.40	15.89	9.38	3.44
FEMALE						
8	39.09	25.45	19.09	12.73	3.64	3.84
9	34.72	27.08	22.92	9.72	5.56	3.76
10	36.52	29.57	10.43	12.17	11.30	3.68
11	35.44	37.97	12.66	11.39	2.53	3.92
Total females	36.38	29.24	16.96	11.38	6.03	3.79
MALE AND FEMALE						
Grand total	31.61	27.88	19.47	13.46	7.57	3.63

* 5=strongly agree
4=agree
3=neither agree nor disagree
2=disagree
1=strongly disagree

Table 27. Analysis of responses to question number 24

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
MALE						
8	33.33	34.41	16.13	8.60	7.53	3.77
9	35.19	29.63	8.33	12.04	14.81	3.58
10	23.40	41.49	14.89	14.89	5.32	3.63
11	33.33	42.22	13.33	6.67	4.44	3.93
Total males	31.43	36.62	12.99	10.65	8.31	3.72
FEMALE						
8	40.00	33.64	14.55	7.27	4.55	3.97
9	38.19	35.42	13.89	6.94	5.56	3.94
10	42.61	36.52	7.83	10.43	2.61	4.06
11	40.51	39.24	8.86	2.53	8.86	4.00
Total females	40.18	35.94	11.61	7.14	5.13	3.99
MALE AND FEMALE						
Grand total	36.13	36.25	12.24	8.76	6.60	3.87

* 5=strongly agree
4=agree
3=neither agree nor disagree
2=disagree
1=strongly disagree

Table 28. Analysis of responses to question number 25

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
MALE						
8	10.71	45.24	30.95	7.14	5.95	4.40
9	20.20	42.42	20.20	10.10	7.07	3.59
10	15.05	40.86	26.88	9.68	7.53	3.46
11	16.47	50.59	20.00	9.41	3.53	3.67
Total males	15.79	44.60	24.38	9.14	6.09	3.55
FEMALE						
8	12.87	48.51	22.77	10.89	4.95	3.75
9	12.50	41.91	29.41	12.50	3.68	3.72
10	14.15	45.28	19.81	14.15	6.60	3.46
11	18.67	42.67	28.00	9.33	1.33	3.68
Total females	14.11	44.50	25.12	11.96	4.31	3.52
MALE AND FEMALE						
Grand total	14.89	44.54	24.78	10.65	5.13	3.53

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 29. Analysis of responses to question number 26

MALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	12.36	24.72	37.08	17.98	7.87	3.16
9	11.21	33.64	28.97	15.89	10.28	3.20
10	6.19	26.80	30.93	24.74	11.34	2.92
11	9.30	34.88	29.07	24.42	2.33	3.24
Total males	9.76	30.08	31.40	20.58	8.18	3.13

FEMALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	7.69	28.85	36.54	18.27	8.65	3.09
9	9.15	20.42	33.80	28.17	8.45	2.75
10	1.79	26.79	35.71	25.89	9.82	2.85
11	7.79	29.87	35.06	20.78	6.49	3.12
Total females	6.67	25.75	35.17	23.91	8.51	2.98

MALE AND FEMALE

Grand total	8.11	27.76	33.42	22.36	8.35	3.05

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 30. Analysis of responses to question number 27

MALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	15.73	35.96	21.35	19.10	7.87	3.33
9	7.48	38.32	27.10	22.43	4.67	3.21
10	8.25	39.18	20.62	20.62	11.34	3.12
11	6.90	40.23	31.03	16.09	5.75	3.26
Total males	9.47	38.42	25.00	19.74	7.37	3.23

FEMALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	9.62	48.08	23.08	14.42	4.81	3.43
9	11.11	36.11	28.47	17.36	6.94	3.27
10	5.36	48.21	24.11	20.54	1.79	3.35
11	15.79	36.84	21.05	19.74	6.58	3.36
Total females	10.09	42.20	24.77	17.89	5.05	3.34

MALE AND FEMALE

Grand total	9.80	40.44	24.88	18.75	6.13	3.29

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 31. Analysis of responses to question number 28

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
MALE						
8	15.73	35.96	24.72	16.85	6.74	3.37
9	19.81	39.62	16.04	16.04	8.49	3.46
10	7.29	38.54	32.29	14.58	7.29	3.24
11	20.93	38.37	26.74	9.30	4.65	3.62
Total males	15.92	38.20	24.67	14.32	6.90	3.42
FEMALE						
8	22.86	36.19	29.52	8.57	2.86	3.68
9	19.58	39.16	30.77	6.99	3.50	3.64
10	24.11	41.07	21.43	11.61	1.79	3.74
11	11.84	44.74	32.89	10.53	0.0	3.58
Total females	20.18	39.91	28.44	9.17	2.29	3.67
MALE AND FEMALE						
Grand total	18.20	39.11	26.69	11.56	4.43	3.55

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 32. Analysis of responses to question number 29

MALE						
	Percent responding to weight category*					Mean score for item
Grade level	5	4	3	2	1	
8	23.60	20.22	28.09	19.10	8.99	3.30
9	22.43	32.71	17.76	20.56	6.54	3.44
10	17.35	27.55	27.55	16.33	11.22	3.23
11	11.63	40.70	17.44	18.60	11.63	3.34
Total males	18.95	30.26	22.63	18.68	9.47	3.31
FEMALE						
	Percent responding to weight category*					Mean score for item
Grade level	5	4	3	2	1	
8	14.29	29.52	35.24	13.33	7.62	3.30
9	24.31	22.92	19.44	21.53	11.81	3.26
10	25.00	22.32	19.64	16.96	16.07	3.23
11	11.84	27.63	18.42	19.74	22.37	3.97
Total females	19.91	25.17	23.11	18.08	13.73	3.19
MALE AND FEMALE						
Grand total	19.46	27.54	22.89	18.36	11.75	3.25

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 33. Analysis of responses to question number 30

MALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	12.64	28.74	17.24	9.20	32.18	2.63
9	12.26	25.47	16.98	16.98	28.30	2.76
10	10.20	17.35	10.20	16.33	45.92	2.30
11	8.14	27.91	20.93	22.09	20.93	2.80
Total males	10.88	24.67	16.18	16.18	32.10	2.66

FEMALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	12.38	21.90	16.19	23.81	25.71	2.71
9	18.06	33.33	12.50	15.97	20.14	3.13
10	8.93	19.64	12.50	20.54	38.39	2.40
11	6.58	28.95	11.84	26.32	26.32	2.63
Total females	12.36	26.32	13.27	20.82	27.23	2.76

MALE AND FEMALE

Grand total	11.67	25.55	14.62	18.67	29.48	2.71

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 34. Analysis of responses to question number 31

MALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	28.09	35.96	20.22	10.11	5.62	3.71
9	31.13	36.79	15.09	7.55	9.43	3.73
10	26.80	32.99	24.74	12.37	3.09	3.68
11	18.82	35.29	25.88	14.12	5.88	3.47
Total males	26.53	35.28	21.22	10.88	6.10	3.65

FEMALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	25.71	40.00	21.90	9.52	2.86	3.76
9	34.03	32.64	20.83	7.64	4.86	3.83
10	27.68	37.50	18.75	8.93	7.14	3.70
11	18.18	55.84	15.58	7.79	2.60	3.79
Total females	27.63	39.73	19.63	8.45	4.57	3.77

MALE AND FEMALE

Grand total	27.12	37.67	20.37	9.57	5.28	3.72

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 35. Analysis of responses to question number 32

MALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	4.55	31.82	27.27	18.18	18.18	2.86
9	7.48	32.71	28.97	17.76	13.08	3.04
10	1.03	32.99	19.59	27.84	18.56	2.70
11	6.90	24.14	22.99	26.44	19.54	2.72
Total males	5.01	30.61	24.80	22.43	17.15	2.84

FEMALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	13.59	42.72	20.39	18.45	4.85	3.42
9	9.79	36.36	22.38	19.58	11.89	3.13
10	14.29	34.82	15.18	24.11	11.61	3.16
11	5.19	35.06	18.18	27.27	14.29	2.90
Total females	11.03	37.24	19.31	21.84	10.57	3.16

MALE AND FEMALE						
Grand total	8.23	34.15	21.87	22.11	13.64	3.01

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 36. Analysis of responses to question number 33

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
MALE						
8	20.22	31.46	29.21	10.11	8.99	3.43
9	33.64	27.10	16.82	12.15	10.28	3.62
10	19.39	32.65	22.45	18.37	7.14	3.39
11	17.65	30.59	22.35	21.18	8.24	3.28
Total males	23.22	30.34	22.43	15.30	8.71	3.64
FEMALE						
8	22.12	19.23	25.00	22.12	11.54	3.18
9	21.53	22.22	27.08	13.19	15.97	3.20
10	24.55	32.73	21.82	10.91	10.00	3.51
11	15.58	38.96	22.08	11.69	11.69	3.35
Total females	21.38	27.13	24.37	14.48	12.64	3.30
MALE AND FEMALE						
Grand total	22.24	28.62	23.46	14.86	10.81	3.37

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 37. Analysis of responses to question number 34

MALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	12.64	32.18	26.44	16.09	12.64	3.16
9	14.15	24.53	35.85	14.15	11.32	3.16
10	14.43	26.80	28.87	13.40	16.49	3.09
11	12.79	33.72	26.74	16.28	10.47	3.22
Total males	13.56	28.99	29.79	14.89	12.77	3.16
FEMALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	17.14	26.67	30.48	17.14	8.57	3.27
9	18.88	27.27	28.67	11.19	13.99	3.26
10	24.11	25.89	27.68	14.29	8.04	3.72
11	15.58	35.06	22.08	14.29	12.99	3.26
Total females	19.22	28.15	27.69	13.96	10.98	3.31
MALE AND FEMALE						
Grand total	16.61	28.54	28.66	14.39	11.81	3.24

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 38. Analysis of responses to question number 35

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
MALE						
8	16.09	31.03	19.54	17.24	16.09	2.79
9	14.29	36.19	14.29	20.95	14.29	3.15
10	11.34	25.77	15.46	25.77	21.65	2.79
11	10.71	44.05	19.05	16.67	9.52	3.30
Total males	13.14	34.05	16.89	20.38	15.55	3.09
FEMALE						
8	14.56	32.04	22.33	13.59	17.48	3.13
9	23.78	37.76	16.78	8.39	13.29	3.50
10	8.18	38.18	13.64	19.09	20.91	2.94
11	6.58	40.79	15.79	18.42	18.42	2.99
Total females	14.58	37.04	17.13	14.12	17.13	3.18
MALE AND FEMALE						
Grand total	13.91	35.65	17.02	17.02	16.40	3.14

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 39. Analysis of responses to question number 36

MALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	10.11	40.45	15.73	22.47	11.24	2.93
9	8.49	29.25	20.75	18.87	22.64	2.82
10	5.10	22.45	24.49	29.59	18.37	2.66
11	2.30	33.33	20.69	32.18	11.49	2.83
Total males	6.58	31.05	20.53	25.53	16.32	2.86

FEMALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	7.69	32.69	19.23	24.04	16.35	2.91
9	9.72	24.31	22.92	24.31	18.75	2.82
10	3.57	27.68	25.89	26.79	16.07	2.76
11	6.49	40.26	19.48	15.58	18.18	3.01
Total females	7.09	29.98	22.20	23.34	17.39	2.86

MALE AND FEMALE						
Grand total	6.85	30.48	21.42	24.36	16.89	2.86

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 40. Analysis of responses to question number 37

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
MALE						
8	30.34	33.71	15.73	14.61	5.62	3.69
9	22.64	31.13	26.42	9.43	10.38	3.46
10	22.45	32.65	28.57	9.18	7.14	3.54
11	9.30	51.16	22.09	10.47	6.98	3.45
Total males	21.37	36.68	23.48	10.82	7.65	3.53
FEMALE						
8	11.43	41.90	28.57	11.43	6.67	3.40
9	13.89	31.25	30.56	13.19	11.11	3.24
10	20.54	33.93	19.64	17.86	8.04	3.41
11	14.29	32.47	25.97	18.18	9.09	3.25
Total females	14.73	34.70	26.48	14.84	8.90	3.32
MALE AND FEMALE						
Grand total	17.99	35.62	25.09	12.97	8.32	3.42

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 41. Analysis of responses to question number 38

MALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	21.59	45.45	18.18	9.09	5.68	3.68
9	22.43	43.93	21.50	6.54	5.61	4.30
10	22.45	31.63	31.63	6.12	8.16	3.54
11	22.09	53.49	16.28	5.81	2.33	4.34
Total males	22.16	43.27	22.16	6.86	5.54	3.70
FEMALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	31.73	35.58	22.12	7.69	2.88	3.86
9	28.17	38.73	22.54	6.34	4.23	3.80
10	25.89	41.07	22.32	5.36	5.36	3.77
11	24.68	37.66	24.68	11.69	1.30	3.73
Total females	27.82	38.39	22.76	7.36	3.68	3.79
MALE AND FEMALE						
Grand total	25.18	40.66	22.48	7.13	4.55	3.75

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 42. Analysis of responses to question number 39

MALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	31.82	32.95	20.45	10.23	4.55	3.77
9	28.57	43.81	13.33	9.52	4.76	2.87
10	17.53	47.42	13.40	16.49	5.15	3.56
11	25.58	41.86	18.60	10.47	3.49	3.76
Total males	25.80	41.76	16.22	11.70	4.52	3.73
FEMALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	34.29	40.00	19.05	3.81	2.86	3.99
9	39.16	32.87	18.88	6.29	2.80	3.99
10	28.57	44.64	11.61	10.71	4.46	3.82
11	30.26	44.74	15.79	7.90	1.32	3.95
Total females	33.72	39.68	16.51	7.11	2.98	3.94
MALE AND FEMALE						
Grand total	30.05	40.64	16.38	9.24	3.69	3.84

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 43. Analysis of responses to question number 40

MALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	16.09	27.59	21.84	19.54	14.94	3.10
9	20.95	27.62	25.71	11.43	14.29	3.20
10	11.34	26.80	26.80	22.68	12.37	3.02
11	6.98	39.53	20.93	22.09	10.47	3.10
Total males	14.13	30.13	24.00	18.67	13.07	3.14

FEMALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	25.00	27.88	20.19	13.46	13.46	3.38
9	13.99	26.57	8.67	20.28	10.49	3.13
10	15.32	34.23	28.83	8.11	13.51	3.30
11	22.08	42.86	10.39	16.88	7.79	3.55
Total females	18.39	31.72	23.45	14.94	11.49	3.31

MALE AND FEMALE

Grand total	16.42	30.99	23.70	16.67	12.22	3.23

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 44. Analysis of responses to question number 41

MALE						
	Percent responding to weight category*					Mean score for
Grade level	5	4	3	2	1	item
8	19.10	38.20	22.47	13.48	6.74	3.49
9	16.04	49.06	11.32	12.26	11.32	3.46
10	8.25	47.42	20.62	15.46	8.25	3.32
11	15.12	51.16	19.77	9.30	4.65	3.63
Total males	14.55	46.56	18.25	12.70	7.94	3.47
FEMALE						
	Percent responding to weight category*					Mean score for
Grade level	5	4	3	2	1	item
8	17.31	46.15	16.35	14.42	5.77	3.55
9	22.38	41.26	18.88	11.89	5.59	3.63
10	14.41	45.05	16.22	19.82	4.50	3.45
11	23.38	42.86	19.48	9.09	5.19	3.70
Total females	19.31	43.68	17.70	14.02	5.29	3.58
MALE AND FEMALE						
Grand total	17.10	45.02	17.96	13.41	6.52	3.53

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 45. Analysis of responses to question number 42

MALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	14.61	29.21	24.72	21.35	10.11	3.17
9	18.69	25.23	20.56	14.95	20.56	3.07
10	8.16	36.73	20.41	17.35	17.35	3.01
11	4.71	34.12	22.35	14.12	24.71	2.80
Total males	11.87	31.13	21.90	16.89	18.21	3.02
FEMALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	25.96	29.81	23.08	10.58	10.58	3.50
9	19.72	24.65	21.13	14.79	19.72	3.10
10	21.43	30.36	18.75	12.50	16.96	3.27
11	10.39	32.47	19.48	18.18	19.48	2.96
Total females	20.00	28.74	20.69	13.79	16.78	3.21
MALE AND FEMALE						
Grand total	16.22	29.85	21.25	15.23	17.44	3.12

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 46. Analysis of responses to question number 43

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
MALE						
8	5.68	26.14	21.59	22.73	23.86	2.67
9	11.54	26.92	20.19	17.31	24.04	2.85
10	7.29	21.88	11.46	29.17	30.21	2.47
11	4.71	37.65	24.71	17.65	15.29	2.99
Total males	7.51	27.88	19.30	21.72	23.59	2.74
FEMALE						
8	10.58	26.92	14.42	25.00	23.08	2.77
9	15.28	33.33	18.06	18.06	15.28	3.15
10	3.67	23.85	14.68	25.69	32.11	2.28
11	9.09	25.97	14.29	27.27	23.38	2.70
Total females	10.14	28.11	15.67	23.27	22.81	2.79
MALE AND FEMALE						
Grand total	8.92	28.00	17.35	22.55	23.17	2.77

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 47. Analysis of responses to question number 44

MALE						
	Percent responding to weight category*					Mean score for
Grade level	5	4	3	2	1	item
8	22.73	27.27	12.50	20.45	17.05	3.18
9	25.24	25.24	11.65	14.56	23.30	3.15
10	21.05	27.37	17.89	17.89	15.79	3.20
11	29.07	22.09	29.07	10.47	9.30	3.51
Total males	24.46	25.54	17.47	15.86	16.67	3.25
FEMALE						
	Percent responding to weight category*					Mean score for
Grade level	5	4	3	2	1	item
8	21.36	27.18	13.59	19.42	18.45	3.14
9	18.06	20.83	17.36	14.58	29.17	2.84
10	18.18	24.55	29.09	10.00	18.18	3.15
11	15.58	12.99	51.95	10.39	9.09	3.16
Total females	18.43	21.89	25.58	13.82	20.28	3.04
MALE AND FEMALE						
Grand total	21.22	23.57	21.84	14.76	18.61	3.14

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 48. Analysis of responses to question number 45

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
MALE						
8	9.20	34.48	28.74	26.44	1.15	3.24
9	23.58	35.85	22.64	12.26	5.66	3.59
10	12.77	40.43	28.72	12.77	5.32	3.43
11	14.12	47.06	18.82	14.12	5.88	3.49
Total males	15.32	39.25	24.73	16.13	4.57	3.45
FEMALE						
8	20.19	40.38	27.88	6.73	4.81	3.64
9	20.98	39.16	21.68	13.29	4.90	3.27
10	23.15	43.52	19.44	12.04	1.85	3.74
11	16.88	51.95	14.29	10.39	6.49	3.62
Total females	20.60	42.82	21.30	10.88	4.40	3.64
MALE AND FEMALE						
Grand total	18.16	41.17	22.89	13.31	4.48	3.55

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 49. Analysis of responses to question number 46

MALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	24.14	54.02	16.09	4.60	1.15	3.95
9	22.86	40.95	20.00	8.57	7.62	3.63
10	19.79	46.88	18.75	8.33	6.25	3.66
11	14.12	50.59	29.41	3.53	2.35	3.71
Total males	20.38	47.72	20.91	6.43	4.56	3.73
FEMALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	20.59	51.96	18.63	5.88	2.94	3.81
9	23.61	41.67	21.53	9.72	3.47	3.72
10	27.93	48.65	12.61	9.01	1.80	3.92
11	28.57	50.65	7.79	7.79	5.19	3.90
Total females	24.88	47.47	16.13	8.29	3.23	3.82
MALE AND FEMALE						
Grand total	22.80	47.58	18.34	7.43	3.84	3.78

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 50. Analysis of responses to question number 47

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
MALE						
8	10.47	15.12	30.23	29.07	15.12	2.77
9	8.57	30.48	26.67	24.76	9.52	3.04
10	13.54	27.08	21.88	31.25	6.25	3.10
11	15.29	30.59	16.47	27.06	10.59	3.13
Total males	11.83	26.08	23.92	27.96	10.22	3.01
FEMALE						
8	3.85	25.96	26.92	30.77	12.50	2.78
9	14.08	23.94	26.76	22.54	12.68	3.04
10	8.11	35.14	18.02	23.42	15.32	2.97
11	13.16	34.21	23.68	18.42	10.53	3.21
Total females	9.93	29.10	24.02	24.02	12.93	2.99
MALE AND FEMALE						
Grand total	10.81	27.70	23.98	25.84	11.68	3.00

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 51. Analysis of responses to question number 48

MALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	22.99	34.48	21.84	10.34	10.34	3.49
9	21.90	25.71	20.00	17.14	15.24	3.22
10	9.38	32.29	27.08	16.67	14.58	3.05
11	11.90	29.76	17.86	26.19	14.29	2.99
Total males	16.67	30.38	21.77	17.47	13.71	3.19
FEMALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	27.18	37.86	12.62	12.62	9.71	3.60
9	24.29	30.00	20.00	15.00	10.71	3.42
10	20.72	36.94	17.12	16.22	9.01	3.44
11	15.58	36.36	15.58	15.58	16.88	3.18
Total females	22.51	34.80	16.71	14.85	11.14	3.43
MALE AND FEMALE						
Grand total	19.80	32.75	19.05	16.06	12.33	3.32

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 52. Analysis of responses to question number 49

MALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	17.44	24.42	24.42	17.44	16.28	3.09
9	15.74	31.48	18.52	13.89	20.37	3.08
10	9.68	31.18	16.13	21.51	21.51	2.86
11	9.30	40.70	20.93	13.95	15.12	3.15
Total males	13.14	31.90	19.84	16.62	18.50	3.05
FEMALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	7.77	38.83	20.39	14.56	18.45	3.03
9	16.20	35.21	22.54	16.90	9.15	3.32
10	5.45	32.73	19.09	17.27	25.45	2.75
11	11.25	33.75	16.25	23.75	15.00	3.03
Total females	10.57	35.17	20.00	17.70	16.55	3.06
MALE AND FEMALE						
Grand total	11.76	33.66	19.93	17.20	17.45	3.05

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 53. Analysis of responses to question number 50

MALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	8.33	22.62	16.67	22.62	29.76	2.57
9	5.61	21.50	25.23	27.10	20.56	2.64
10	7.45	15.96	18.09	34.04	24.47	2.48
11	1.16	19.77	13.95	43.02	22.09	2.35
Total males	5.66	19.95	18.87	31.54	23.99	2.52
FEMALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	7.77	19.42	20.39	28.16	24.27	2.58
9	6.34	21.13	23.24	27.46	21.83	2.63
10	9.09	17.27	19.09	32.73	21.82	2.59
11	2.50	16.25	21.25	28.75	31.25	2.30
Total females	6.67	18.85	21.15	29.20	24.14	2.55
MALE AND FEMALE						
Grand total	6.20	19.35	20.10	30.27	24.07	2.53

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 54. Analysis of responses to question number 51

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
MALE						
8	25.58	52.33	15.12	4.65	2.33	3.94
9	21.30	58.33	16.67	2.78	.93	3.96
10	12.90	47.31	29.03	5.38	5.38	3.57
11	15.12	52.33	18.60	6.98	6.98	3.62
Total males	18.77	52.82	19.84	4.83	3.75	3.78
FEMALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	16.35	53.85	20.19	5.77	3.85	3.73
9	14.89	51.06	24.11	4.96	4.96	3.66
10	14.41	56.76	19.82	6.31	2.70	3.74
11	11.25	56.25	22.50	8.75	1.25	3.68
Total females	14.45	54.13	21.79	6.19	3.44	3.70
MALE AND FEMALE						
Grand total	16.44	53.52	20.89	5.56	3.58	3.74

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 55. Analysis of responses to question number 52

MALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	22.99	32.18	24.14	11.49	9.20	3.48
9	21.30	27.78	23.15	20.37	7.41	3.35
10	14.89	32.98	24.47	22.34	5.32	3.30
11	12.79	45.35	17.44	17.44	6.98	3.40
Total males	18.13	34.13	22.40	18.13	7.20	3.38
FEMALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	19.61	34.31	24.51	12.75	8.82	3.43
9	20.28	35.66	24.48	10.49	9.09	3.48
10	26.36	35.45	16.36	17.27	4.55	3.62
11	20.00	43.75	15.00	11.25	10.00	3.53
Total females	21.61	36.78	20.69	12.87	8.05	3.51
MALE AND FEMALE						
Grand total	20.00	35.56	21.48	15.31	7.65	3.45

* 5=strongly agree
4=agree
3=neither agree nor disagree
2=disagree
1=strongly disagree

Table 56. Analysis of responses to question number 53

MALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	36.47	28.24	12.94	8.24	14.12	3.65
9	33.33	23.15	16.67	13.89	12.96	3.50
10	33.70	26.09	17.39	10.87	11.96	3.59
11	27.91	19.77	16.28	16.28	19.77	3.20
Total males	32.88	24.26	15.90	12.40	14.56	3.49
FEMALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	44.23	25.96	14.42	9.62	5.77	3.93
9	52.82	12.68	12.68	11.27	10.56	3.86
10	52.25	21.62	9.91	4.50	11.71	3.98
11	42.50	26.25	10.00	13.75	7.50	3.83
Total females	48.74	20.59	11.90	9.61	9.15	3.90
MALE AND FEMALE						
Grand total	41.46	22.28	13.74	10.89	11.63	3.71

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 57. Analysis of responses to question number 54

MALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	19.54	54.02	21.84	4.60	0.0	3.89
9	20.37	50.00	21.30	6.48	1.85	3.81
10	17.02	58.51	19.15	3.19	2.13	3.85
11	23.26	53.49	16.28	5.81	1.16	3.92
Total males	20.00	53.87	19.73	5.07	1.33	3.86

FEMALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	26.92	41.35	23.08	4.81	3.85	3.83
9	31.47	52.45	11.19	2.80	2.10	4.08
10	25.45	56.36	12.73	3.64	1.82	4.00
11	20.00	57.50	18.75	1.25	2.50	3.91
Total females	26.77	51.72	15.79	3.20	2.52	3.97

MALE AND FEMALE

Grand total	23.65	52.71	17.61	4.06	1.97	3.92

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 58. Analysis of responses to question number 55

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
MALE						
8	13.79	33.33	25.29	19.54	8.05	3.25
9	11.11	31.48	26.85	17.59	12.96	3.10
10	3.26	33.70	27.17	26.09	9.78	2.95
11	1.16	39.53	23.26	24.42	11.63	2.94
Total males	7.51	34.32	25.74	21.72	10.72	3.06
FEMALE						
8	13.86	27.72	25.75	24.75	7.92	3.15
9	11.43	32.14	20.00	22.86	13.57	3.05
10	14.55	33.64	18.18	28.18	5.45	3.24
11	14.10	30.77	26.92	17.95	10.26	3.21
Total females	13.29	31.24	22.14	23.78	9.56	3.15
MALE AND FEMALE						
Grand total	10.60	32.67	23.82	22.82	10.10	3.11

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 59. Analysis of responses to question number 56

MALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	17.24	35.63	17.24	20.69	9.20	3.31
9	14.15	19.81	40.57	7.55	17.92	3.05
10	13.19	35.16	20.88	13.19	17.58	3.13
11	5.88	15.29	40.00	20.00	18.82	2.69
Total males	12.74	26.29	30.08	14.91	15.99	3.05
FEMALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	24.51	29.41	13.73	16.67	15.69	3.30
9	7.04	16.90	54.93	7.75	13.38	2.96
10	14.81	22.22	27.78	19.44	15.74	3.01
11	7.50	20.00	43.75	12.50	16.25	2.90
Total females	13.19	21.76	36.34	13.66	15.05	3.04
MALE AND FEMALE						
Grand total	12.98	23.85	33.46	14.23	15.48	3.05

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 60. Analysis of responses to question number 57

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
MALE						
8	10.34	17.24	18.39	27.59	26.44	2.57
9	7.55	16.98	20.75	29.25	25.47	2.52
10	4.26	21.28	20.21	29.79	24.47	2.51
11	2.35	27.06	27.06	27.06	16.47	2.72
Total males	6.18	20.43	21.51	28.49	23.39	2.58
FEMALE						
8	5.83	14.56	18.45	31.07	30.10	2.35
9	5.59	21.68	16.08	28.67	27.97	2.48
10	9.91	20.72	26.13	18.92	24.32	2.73
11	5.00	31.25	22.50	26.25	15.00	2.85
Total females	6.64	21.51	20.37	26.32	25.17	2.58
MALE AND FEMALE						
Grand total	6.43	21.01	20.89	27.32	24.35	2.58

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 61. Analysis of responses to question number 58

MALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	10.34	18.39	20.69	28.74	21.84	2.67
9	7.41	19.44	12.04	34.26	26.85	2.46
10	4.26	21.28	17.02	35.11	22.34	2.50
11	1.19	26.19	22.62	34.52	15.48	2.63
Total males	5.90	21.18	17.69	33.24	21.98	2.56

FEMALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	10.68	25.24	22.33	24.27	17.48	2.87
9	7.04	23.24	21.13	23.94	24.65	2.64
10	8.11	27.03	20.72	22.52	21.62	2.77
11	7.50	40.00	22.50	17.50	12.50	2.88
Total females	8.26	27.75	21.56	22.48	19.95	2.82

MALE AND FEMALE

Grand total	7.17	24.72	19.78	27.44	20.89	2.70

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 62. Analysis of responses to question number 59

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
MALE						
8	18.39	50.57	21.84	3.45	5.75	3.72
9	25.93	41.67	19.44	6.48	6.48	3.74
10	10.64	47.87	22.34	9.57	9.57	3.40
11	18.82	49.41	11.76	14.12	5.88	3.61
Total males	18.72	47.06	18.98	8.29	6.95	3.62
FEMALE						
8	11.54	48.08	29.81	9.62	.96	3.60
9	11.27	55.63	22.54	5.63	4.93	4.08
10	16.36	46.36	20.91	10.91	5.45	4.48
11	13.92	46.84	24.05	8.86	6.33	3.53
Total females	13.10	49.89	24.14	8.51	4.37	3.59
MALE AND FEMALE						
Grand total	15.70	48.58	21.76	8.41	5.56	3.60

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 63. Analysis of responses to question number 60

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
MALE						
8	22.09	26.74	29.07	9.30	12.79	3.36
9	18.69	28.97	23.36	14.95	14.02	3.23
10	15.05	32.26	20.43	16.13	16.13	3.14
11	12.94	37.65	16.47	20.00	12.94	3.18
Total males	17.25	31.27	22.37	15.09	14.02	3.23
FEMALE						
8	25.24	30.10	25.24	14.56	4.85	3.56
9	23.24	22.54	30.28	11.97	11.97	3.33
10	17.43	33.94	22.94	20.18	5.50	3.38
11	12.50	41.25	18.75	16.25	11.25	3.28
Total females	20.28	30.65	25.12	15.44	8.53	3.39
MALE AND FEMALE						
Grand total	18.88	30.93	23.85	15.28	11.06	3.31

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 64. Analysis of responses to question number 61

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
MALE						
8	55.81	25.58	8.14	4.65	5.81	4.21
9	55.56	26.85	10.19	3.70	3.70	4.27
10	43.96	35.16	12.09	5.49	3.30	4.11
11	45.88	34.12	9.41	8.24	2.35	4.13
Total males	50.54	30.27	10.00	5.41	3.78	4.18
FEMALE						
8	57.28	33.01	5.83	1.94	1.94	4.42
9	62.94	23.78	8.39	.70	4.20	4.41
10	47.27	39.09	4.55	1.82	7.27	4.17
11	48.75	40.00	6.25	5.00	0.0	4.33
Total females	55.05	32.80	6.42	2.06	3.67	4.33
MALE AND FEMALE						
Grand total	52.98	31.64	8.06	3.60	3.72	4.27

* 5= strongly agree
4= agree
3 = neither agree nor disagree
2= disagree
1= strongly disagree

Table 65. Analysis of responses to question number 62

MALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	5.75	4.60	9.20	32.18	48.28	1.87
9	4.76	2.86	9.52	24.76	58.10	1.71
10	0.0	6.45	13.98	34.41	45.16	1.82
11	4.71	1.18	7.06	29.41	57.65	1.66
Total males	3.78	3.78	10.00	30.00	52.43	1.76
FEMALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	2.91	2.91	10.68	23.30	60.19	1.65
9	6.29	2.10	11.19	17.48	62.94	1.71
10	3.60	2.70	6.31	20.72	66.67	1.56
11	1.25	1.25	8.75	28.75	60.00	1.55
Total females	3.89	2.29	9.38	21.74	62.70	1.63
MALE AND FEMALE						
Grand total	3.84	2.97	9.67	25.53	57.99	1.69

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 66. Analysis of responses to question number 63

MALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	45.35	31.40	11.63	1.16	10.47	4.00
9	45.37	33.33	12.04	3.70	5.56	4.09
10	41.30	34.78	11.96	5.43	6.52	3.99
11	42.35	38.82	10.59	5.88	2.35	4.13
Total males	43.67	34.50	11.59	4.04	6.20	4.05

FEMALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	47.57	36.89	8.74	1.94	4.85	4.20
9	53.52	23.94	15.49	1.41	5.63	4.18
10	61.47	31.19	4.59	1.83	.92	4.50
11	50.00	35.00	7.50	2.50	5.00	4.23
Total females	53.46	30.88	9.68	1.84	4.15	4.28

MALE AND FEMALE

Grand total	48.94	32.55	10.56	2.86	5.09	4.17

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 67. Analysis of responses to question number 64

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
MALE						
8	11.49	36.78	37.93	9.20	4.60	3.41
9	22.22	37.96	27.78	6.48	5.56	3.65
10	8.51	34.04	40.43	10.64	6.38	3.28
11	13.10	38.10	33.33	11.90	3.57	3.45
Total males	14.21	36.73	34.58	9.38	5.09	3.46
FEMALE						
8	9.62	28.85	41.35	17.31	2.88	3.25
9	12.59	37.06	36.36	9.79	4.20	3.44
10	16.51	36.70	34.86	5.50	6.42	3.51
11	15.00	45.00	26.25	8.75	5.00	3.56
Total females	13.30	36.47	35.32	10.32	4.59	3.44
MALE AND FEMALE						
Grand total	13.72	36.59	34.98	9.89	4.82	3.44

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 68. Analysis of responses to question number 65

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
MALE						
8	32.14	25.00	25.00	8.33	9.52	3.62
9	22.64	30.19	25.47	13.21	8.49	3.45
10	14.29	31.87	34.07	13.19	6.59	3.34
11	20.24	40.48	25.00	8.33	5.95	3.61
Total males	22.19	31.78	27.40	10.96	7.67	3.50
FEMALE						
8	19.19	27.27	35.35	12.12	6.06	3.41
9	27.46	28.87	28.87	9.15	5.63	3.63
10	22.43	30.84	30.84	9.35	6.54	3.52
11	17.72	30.38	27.85	15.19	8.86	3.33
Total females	22.48	29.27	30.68	11.01	6.56	3.50
MALE AND FEMALE						
Grand total	22.35	30.43	29.17	10.98	7.07	3.50

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 69. Analysis of responses to questions related to the student body

MALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	18.68	26.65	29.14	16.18	9.35	3.29
9	20.45	27.02	27.39	15.95	9.19	3.31
10	17.62	31.40	24.89	18.62	7.48	3.33
11	14.75	38.53	19.34	19.49	7.89	3.34
Total males	18.75	32.36	23.46	17.43	8.01	3.42

FEMALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	13.70	31.18	28.38	18.38	8.37	3.24
9	20.33	27.79	25.56	15.70	10.63	3.31
10	18.14	34.39	22.55	14.14	10.79	3.35
11	12.68	38.81	22.69	14.05	11.78	3.54
Total females	16.82	32.24	24.96	15.65	10.33	3.30

MALE AND FEMALE

Grand total	17.72	32.30	24.27	16.47	9.25	3.33

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 70. Analysis of responses to questions related to the physical plant

MALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	22.80	19.62	18.64	19.12	19.82	3.25
9	21.59	22.59	16.25	18.16	21.41	3.27
10	19.34	25.01	17.03	19.94	18.30	3.04
11	18.91	26.91	17.18	19.27	17.74	3.34
Total males	20.72	23.49	17.30	19.07	19.42	3.19

FEMALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	19.70	21.91	19.10	18.69	20.09	3.22
9	22.53	23.64	16.73	17.40	19.70	3.46
10	20.51	24.26	14.98	18.93	21.21	3.12
11	18.34	24.08	14.90	23.31	19.38	3.19
Total females	20.66	23.02	16.51	19.72	20.08	3.27

MALE AND FEMALE

Grand total	20.69	23.23	16.88	19.41	19.78	3.25

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 71. Analysis of responses to questions related to teachers

MALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	15.30	28.16	22.65	22.19	11.71	3.35
9	14.55	35.32	23.62	16.18	10.33	3.28
10	12.46	29.00	24.66	23.48	10.41	3.17
11	12.09	31.00	22.46	25.44	9.00	3.28
Total males	13.60	30.87	23.35	21.84	10.36	3.27

FEMALE						
Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	14.00	28.46	24.37	21.45	11.72	3.31
9	14.68	27.94	24.30	21.81	10.40	3.25
10	13.14	28.59	23.54	23.58	11.14	3.35
11	14.09	28.99	24.24	22.18	10.50	3.28
Total females	13.98	28.61	24.21	22.26	10.94	3.27

MALE AND FEMALE						
Grand total	13.79	29.79	23.73	22.04	10.65	3.27

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 72. Analysis of responses to questions related to the administrators

MALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	13.30	26.53	25.17	21.62	13.39	3.28
9	16.45	21.34	25.53	21.93	14.75	3.16
10	13.71	23.06	25.93	25.39	11.91	3.06
11	14.85	23.85	22.02	29.15	10.15	3.06
Total males	14.62	23.58	24.75	24.38	12.68	3.15

FEMALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	16.45	22.42	22.00	23.76	15.38	3.43
9	18.48	23.19	21.24	21.85	15.24	3.26
10	17.41	22.09	20.23	25.00	15.27	3.50
11	15.83	27.78	17.77	24.45	14.17	3.16
Total females	17.25	23.53	20.56	23.58	15.10	3.33

MALE AND FEMALE

Grand total	16.03	23.55	22.50	23.95	13.97	3.24

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 73. Analysis of responses to questions related to the curriculum

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
MALE						
8	20.62	32.49	20.91	15.29	10.69	3.37
9	17.82	30.61	20.06	17.65	13.86	3.24
10	12.42	33.16	22.08	21.10	11.24	3.15
11	13.31	35.32	21.55	19.04	10.79	3.29
Total males	16.14	33.32	21.11	17.71	11.72	3.25
FEMALE						
8	21.32	34.43	20.94	15.31	8.01	3.44
9	19.66	31.29	22.68	15.00	11.37	3.33
10	20.23	36.39	17.08	18.06	8.24	3.46
11	17.67	37.92	19.20	16.26	8.92	3.38
Total females	19.83	34.53	20.21	16.08	9.32	3.39
MALE AND FEMALE						
Grand total	18.13	33.97	20.63	16.83	10.43	3.33

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

Table 74. Analysis of responses to questions related to educational values

MALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	30.34	19.76	16.28	15.71	17.92	3.84
9	32.66	22.27	13.33	14.81	16.93	3.87
10	31.59	29.09	16.88	12.63	9.81	3.77
11	29.33	25.19	14.04	18.81	12.62	3.80
Total males	29.83	23.00	15.09	16.45	15.64	3.82

FEMALE

Grade level	Percent responding to weight category* 5	4	3	2	1	Mean score for item
8	21.69	17.53	13.66	20.18	26.94	3.97
9	30.63	20.33	16.18	11.26	21.61	4.00
10	27.25	22.94	11.88	15.85	21.66	3.97
11	28.22	22.81	10.47	20.63	17.77	3.95
Total females	29.10	21.94	13.48	15.16	20.31	3.97

MALE AND FEMALE

Grand total	29.43	22.44	14.22	15.75	18.16	3.90

* 5= strongly agree
4= agree
3= neither agree nor disagree
2= disagree
1= strongly disagree

FINDINGS

Mean weight demarcation lines representing positive, neutral, or negative attitudes have been arbitrarily drawn as follows:

Positive attitude:	3.6 to 5.0
Neutral attitude:	2.5 to 3.5
Negative attitude:	0.0 to 2.4

The reader may interpret the direction of attitude by referring to the foregoing attitudinal weights. For example, the grand total mean score for the entire sample reflecting attitude toward educational values (item No. 16, Table 19) was 4.68. This mean weight is much above the demarcation line of 3.6 representing positive attitudes. Thus, the Clark High School student body is generally in possession of a very positive attitude regarding high school graduation. Another example exposing a grand total mean score of 3.02 (item No. 17, Table 20) reflects an indifferent attitude toward the influence of the plant structure on learning. A third example (item No. 10, Table 13) shows a grand total mean score of 2.40 indicating a negative attitude for the sample group in general toward the amount of curricular experience not included in textbooks. The reader should review Tables 4 through 68 for an overview of the responses to the 65 items in the Clark High School Student Attitude Scale. Table 75 affords the reader a summary of the positive and negative responses, the grand total mean score of the responses, and the subscale to which each pertains.

Table 75. Item number, subscale, and grand total mean score for all positive and negative responses

Item	Subscale	Grand Total Mean Score	Attitude
1	A	3.70	Pos.
3	B	4.14	Pos.
12	B	4.60	Pos.
54	B	3.92	Pos.
62	B	1.63	Neg.

Table 75. Item number, subscale, and grand total mean score for all positive and negative responses (cont'd)

Item	Subscale	Grand Total Mean Score	Attitude
65	B	3.50	Pos.
21	C	4.02	Pos.
25	C	3.53	Pos.
31	C	3.72	Pos.
39	C	3.84	Pos.
45	C	3.55	Pos.
51	C	3.74	Pos.
59	C	3.60	Pos.
9	E	3.64	Pos.
10	E	2.40	Neg.
23	E	3.63	Pos.
24	E	3.87	Pos.
28	E	3.55	Pos.
38	E	3.75	Pos.
46	E	3.78	Pos.
6	F	3.71	Pos.
16	F	4.68	Pos.
41	F	3.53	Pos.
53	F	3.71	Pos.
61	F	4.27	Pos.
63	F	4.17	Pos.

Table 76 offers the reader the percentage of responses for each subscale which was positive, neutral, or negative.

Table 76. Percent of responses which were positive, neutral, or negative for subscales A, B, C, D, E, and F.

Subscale	Percent of Total Responses		
	Positive	Neutral	Negative
A (student body)	25	75	-
B (plant)	40	50	10
C (teachers)	30	70	-
D (administrators)	-	100	-
E (curriculum)	35	59	6
F (educational values)	86	14	-

It will be observed from Table 76 that a positive attitude prevails to some degree in all areas except administration. The fact that only four items pertaining to school administrators were included in the total scale may account for the absence of either positiveness or negativeness as concerns attitude toward school administrators. Clark High School students appear to possess especially positive attitudes concerning the value of an education. These students appear also to reflect a rather positive attitude toward their peer group, the physical environment at Clark High School, their teachers, and the curriculum.

Tables 69 through 74 offer the results of analysis of responses related to the six subscale areas. The following section of this paper will indicate the more significant sex and grade level findings in each area.

Student Body, Table 69

Sex

1. Males expressed a slightly more positive attitude toward peers than did females.

Grade level

1. A progressively more positive attitude toward peers may be noted from grade 8 to grade 11.

Physical Plant, Table 70

Sex

1. Females showed a slightly more positive attitude toward the physical environment at Clark High School than did the males.

2. Ninth grade girls expressed a slightly more positive attitude toward the physical plant at Clark High School than did ninth grade boys.

3. Eleventh grade boys indicated a more positive attitude toward the physical structure of Clark High School than did eleventh grade girls.

Grade level

1. Ninth grade students generally expressed a more positive attitude toward the school plant than did students of the other three grade levels.

Teachers, Table 71

Sex

1. Tenth grade girls indicated a somewhat more positive attitude toward teachers than did tenth grade boys.

Grade level

1. Eighth grade students generally expressed a more positive attitude toward teachers than did other grade level students.

2. Eleventh grade students generally reported a slightly more positive attitude toward teachers than did ninth and tenth grade students.

Administration, Table 72

Sex

1. Girls generally possessed a slightly more positive attitude toward the administrative staff at Clark High School than did boys.

Grade level

1. Eighth grade students expressed a more positive attitude toward the Clark High School administrative staff than did the other grade level students.

2. Eleventh grade students reported a less positive attitude toward the Clark High School administrative staff than did the other grade level students.

Curriculum, Table 73

Sex

1. The females involved in this survey showed a slightly more positive attitude toward the curriculum at Clark High School than did the males.

2. Girls in the tenth grade expressed a somewhat more positive attitude toward the curriculum of Clark High School than did tenth grade boys.

Grade level

1. Eighth grade students possessed a slightly more positive attitude toward Clark High School curricular offerings than did members of the other grade levels.

Educational Values, Table 74

Sex

1. Girls generally possessed a more positive attitude toward the value of education than did males.

Grade level

1. Ninth grade students expressed a more positive attitude toward the value of education than the members of the other three grade levels.

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CLARK HIGH SCHOOL STUDENT ATTITUDE SCALE

APPENDIX A

ADMINISTRATOR'S INSTRUCTIONS

Introduction

This measure is an attitude scale designed to determine a student's attitude toward specific areas of his high school. This scale contains items which reflect both favorable and unfavorable attitudes. In responding to the items contained in the scale, the student may either agree, indicate indifference, or disagree. Answering some of the questions may be psychologically threatening to a student if he feels that school personnel may identify him with his answers. Therefore, it is advised that students not be required to place their names on the answer cards.

Read all instructions verbatim that appear in bold print.

Steps in Administration

The initial step in administering this measure is to pass out one copy of the attitude scale booklet, three IBM answer cards, and one electrographic pencil to each student in the class. While these materials are being passed out say: "TURN YOUR BOOKLET FACE DOWN ON THE DESK UNTIL YOU ARE TOLD TO TURN IT UPRIGHT." When all materials have been distributed, say: "EACH STUDENT SHOULD HAVE A BOOKLET, THREE IBM ANSWER CARDS, AN ELECTROGRAPHIC PENCIL, AND A KEY. IS THERE ANYONE WHO DOES NOT HAVE THESE ITEMS? (pause) IT IS NECESSARY THAT YOU USE AN ELECTROGRAPHIC PENCIL IN FILLING OUT THE ANSWER CARDS FOR THESE QUESTIONS. IF YOUR PENCIL BREAKS DURING THE TIME YOU ARE ANSWERING THE QUESTIONS, RAISE YOUR HAND AND ANOTHER PENCIL WILL BE GIVEN TO YOU.

Begin Student

THE FOLLOWING QUESTIONS ARE PART OF A SURVEY TO DETERMINE YOUR ATTITUDES ABOUT CERTAIN ASPECTS OF THIS HIGH SCHOOL. MANY OF THESE ITEMS DEAL WITH SPECIFIC WEAKNESSES THAT YOU FEEL EXIST IN OUR SCHOOL. OTHER ITEMS ARE CONCERNED WITH SPECIAL ADVANTAGES OR STRONG POINTS THAT YOU MAY FEEL EXIST IN THIS SCHOOL. YOU MAY HESITATE TO EXPRESS YOUR TRUE FEELINGS ON SOME OF THE ITEMS FOR FEAR THAT YOUR ANSWER MIGHT OFFEND YOUR TEACHERS OR OTHERS WHO WORK AT THIS SCHOOL. REMEMBER, HOWEVER, THAT AN IMPORTANT GOAL OF THIS SURVEY IS TO HELP THE TEACHERS AND ADMINISTRATIVE STAFF OF THIS SCHOOL MAKE THE SCHOOL BETTER. YOUR ANSWER, IF HONEST AND SINCERE, MAY HELP THEM IDENTIFY AREAS WHERE IMPROVEMENT IS NEEDED.

IN ORDER THAT YOU WILL FEEL COMPLETELY FREE TO ANSWER THESE QUESTIONS HONESTLY, YOU WILL NOT BE ASKED TO PLACE YOUR NAME ON ANY OF THE ANSWER CARDS.

NOW LOOK AT YOUR THREE IBM ANSWER CARDS AND NOTICE THAT EACH HAS NUMBERS WHICH RUN HORIZONTALLY ALONG THE TOP. NOW FIND THE CARD WHICH BEGINS WITH NUMBER 1 AND GOES THROUGH NUMBER 24--THIS IS CARD NUMBER 1. NOW FIND CARD NUMBER 2--THE NUMBERS ALONG THE TOP OF THIS CARD RUN FROM NUMBER 25 THROUGH NUMBER 48. NOW FIND CARD NUMBER 3--THE NUMBERS ALONG THE TOP OF THIS CARD RUN FROM NUMBER 49 THROUGH NUMBER 72. NOW PLACE THESE CARDS IN ORDER WITH NUMBER 1 ON TOP, NUMBER 2 NEXT AND NUMBER 3 NEXT. NOTICE THE FIRST OR LEFT VERTICAL COLUMN ON THE CARD WHICH READS "CARD NUMBER." THIS COLUMN HAS NUMBERS WHICH EXTEND FROM ZERO TO NINE. PLEASE FILL IN THE SPACE WHICH INCLUDES THE NUMBER 1 FOR CARD NUMBER 1. THE MACHINE WHICH SCORES THIS CARD WILL NOW KNOW THAT THIS IS CARD NUMBER 1. NOW LOOK AT CARD NUMBER 2 AND FILL IN THE NUMBER 2 ON THE FAR LEFT COLUMN JUST AS YOU DID FOR CARD NUMBER 1. NOW LOOK AT CARD NUMBER 3 AND FILL IN THE NUMBER 3 ON THE FAR LEFT COLUMN JUST AS YOU DID FOR CARDS 1 AND 2.

NOW PLACE THE CARDS IN ORDER AGAIN WITH NUMBER 1 ON TOP, 2 NEXT, AND 3 LAST. LOOK AT COLUMN TWO LABELED "SEX." THIS IS THE SECOND FROM THE LEFT COLUMN. IF YOU ARE A BOY, FILL IN THE NUMBER 1; IF YOU ARE A GIRL, FILL IN THE NUMBER 2. WE ARE USING ONLY TWO NUMBERS IN THIS COLUMN, 1 FOR BOYS AND 2 FOR GIRLS. NOW FILL IN YOUR SEX NUMBER ON CARDS 2 AND 3. YOU SHOULD NOW HAVE COMPLETED ON EACH OF THE THREE CARDS THE CARD NUMBER, WHICH DIFFERS FOR EACH CARD, AND YOUR SEX NUMBER, WHICH IS THE SAME FOR EACH CARD.

NOW PLACE THE CARDS IN ORDER AGAIN WITH NUMBER 1 ON TOP, 2 NEXT, AND 3 LAST. LOOK AT COLUMN THREE LABELED "GRADE." IF YOU ARE IN THE NINTH GRADE, PLEASE BLACK IN THE NINE ON EACH OF YOUR THREE CARDS. IF YOU ARE IN THE TENTH GRADE, PLEASE BLACK IN THE ZERO SPACE AT THE TOP OF THIS COLUMN--DO THIS ON EACH OF YOUR THREE CARDS. IF YOU ARE IN THE ELEVENTH GRADE, PLEASE BLACK IN THE 1 AT THE TOP OF COLUMN THREE--DO THIS ON EACH OF YOUR THREE CARDS. IF YOU ARE IN THE TWELFTH GRADE, PLEASE BLACK IN THE 2 AT THE TOP OF COLUMN THREE--DO THIS ON EACH OF YOUR THREE CARDS.

NOW TURN YOUR BOOKLET FACE UP AND I SHALL GIVE YOU THE FINAL DIRECTIONS. THERE ARE FIVE POSSIBLE ANSWERS YOU MAY USE TO INDICATE WHETHER OR NOT YOU AGREE WITH EACH STATEMENT. IF YOU STRONGLY AGREE WITH THE STATEMENT, FILL IN THE SPACE 1 ON THE ANSWER CARDS.

IF YOU AGREE WITH THE STATEMENT, FILL IN THE SPACE 2 ON THE ANSWER CARDS. IF YOU NEITHER AGREE NOR DISAGREE WITH THE STATEMENT, FILL IN THE SPACE 3 ON THE ANSWER CARDS. IF YOU DISAGREE WITH THE STATEMENT, FILL IN THE SPACE 4 ON THE ANSWER CARDS. IF YOU STRONGLY DISAGREE WITH THE STATEMENT, FILL IN THE SPACE 5 ON THE ANSWER CARDS. YOU MAY REFER TO THE SHEET GIVEN YOU WHICH IS LABELED "KEY" IF YOU FORGET THAT IF YOU STRONGLY AGREE YOU SHOULD MARK NUMBER 1, IF YOU AGREE MARK NUMBER 2 AND SO ON.

NOW LET US LOOK AT QUESTION NUMBER 1. THIS QUESTION READS: "THE DRESS AND HAIR STYLES OF THE STUDENTS IN THIS SCHOOL ARE SLOPPY." DECIDE HOW YOU FEEL ABOUT THIS STATEMENT. DO YOU STRONGLY AGREE, AGREE, NEITHER AGREE NOR DISAGREE, DISAGREE, OR STRONGLY DISAGREE? LET US SAY THAT YOU NEITHER AGREE NOR DISAGREE. YOU WOULD THEN LOOK ALONG THE TOP OF CARD NUMBER 1 FOR ITEM NUMBER 1--ITEM NUMBER 1 ALONG THE TOP OF THIS CARD REFERS TO QUESTION NUMBER 1. NOW LOOK DOWN THE NUMBER 1 COLUMN FOR THE NUMBER 3 WHICH, ACCORDING TO OUR KEY, REPRESENTS YOUR FEELING OF NEITHER AGREEING NOR DISAGREEING WITH THE STATEMENT. YOU WOULD THEN FILL IN NUMBER 3 FOR QUESTION NUMBER 1. REMEMBER, THE ANSWERS TO QUESTIONS 1 THROUGH 24 ARE TO BE RECORDED ON CARD NUMBER 1. THE ANSWERS TO QUESTIONS 25 THROUGH 48 ARE TO BE RECORDED ON CARD NUMBER 2. AND THE ANSWERS TO QUESTIONS 49 THROUGH 65 ARE TO BE RECORDED ON CARD NUMBER 3. WE WILL LEAVE BLANK THOSE COLUMNS REFERRING TO ITEMS 66 THROUGH 72 BECAUSE OUR SURVEY ASKS ONLY 65 QUESTIONS. THE ANSWER TO EACH QUESTION WILL REQUIRE THAT YOU FILL IN A 1, 2, 3, 4, or 5. WE WILL NOT USE THE ZERO, 6, 7, 8, OR 9 ALTERNATIVES. ARE THERE ANY QUESTIONS? A quick review at this point may be necessary.

BE SURE THAT YOU FILL IN COMPLETELY THE SPACE PROVIDED FOR YOUR ANSWERS. A LIGHT PENCIL MARK WILL NOT SCORE CORRECTLY ON THE TEST SCORING MACHINE. IF YOU WISH TO CHANGE ONE OF YOUR ANSWERS, BE SURE TO ERASE VERY THOROUGHLY BECAUSE A PARTIALLY ERASED ANSWER MAY CAUSE THE TEST SCORING MACHINE TO RECORD THE WRONG RESPONSE. REMEMBER THAT THERE ARE NO RIGHT OR WRONG ANSWERS. THE RIGHT ANSWER FOR YOU IS THE ANSWER WHICH AFTER CAREFUL THOUGHT YOU FEEL MOST ACCURATELY REFLECTS YOUR HONEST ATTITUDE CONCERNING THE QUESTION. ARE THERE ANY FURTHER QUESTIONS? (pause) READY, BEGIN.

Survey in Progress

Proctors should circulate about the room immediately, checking each student's answer card to see that instructions are being followed and that students are making sufficiently heavy marks on the answer cards.

SCORING INSTRUCTIONS

Each item on this scale applies to the score on one subscale only. The student's answer is weighted from 1 through 5. A high score always indicates a favorable attitude so that answer 1 (strongly agree) is weighted "5" for a positive or favorable item and weighted "1" for a negative or unfavorable item. Conversely, answer 5 (strongly disagree) is weighted "1" for a positive or favorable item and weighted "5" for a negative or unfavorable item.

CLARK HIGH SCHOOL STUDENT ATTITUDE SCALE

1. The dress and hair styles of the students in this school are sloppy.

2. The principal and vice principals of this school are too strict with students.

3. The equipment and facilities in this school are much poorer than you might find in most high schools.

4. The teachers in this high school let us make our own decisions about many things.

5. I like teaching where they are always experimenting with new ideas such as teaching in large and small groups.

6. Most people who work hard and do well in high school also do well in college.

7. Some of our teachers seem to know very little about the subjects they are teaching.

8. Most of the teachers in this school seem very interested in school activities outside the classroom.

9. Many of the things we learn at this school are impractical and out of date.

10. Too much of what we learn in high school seems to come from books and too little from experiences in which we can actually participate.

11. Many people in our community seem to look down on school teaching as less important than other jobs.

12. This school building is much nicer than most schools I have been in or seen.

13. The teachers in our school try to treat everyone fairly.

14. Many school teachers seem to know a lot about what is in books but very little else.

15. The courses that we have at our school are good but there isn't enough variety.

16. I believe that the student who drops out of high school before he graduates is making a big mistake.

17. The way the inside of this school is built helps make learning easier.

18. The teachers here really seem interested in helping us learn.

19. The teachers here often talk over our heads.

20. Too many things are taught in high school that will never do us any good after we graduate.

21. On the average, I think that our teachers are as good as those you would find at any high school.

22. Many of the teachers in this school seem to have very little real interest or enthusiasm for their jobs.

23. This high school is as good as any if you are planning to be a laborer or a housewife or learn a trade, but you cannot get the preparation here you need if you plan to enter a profession.

24. If you are not a bookworm, there isn't much for you at this school.

25. Most of the teachers in our school seem to like their work and enjoy helping students.

26. In a school like ours, the students get more attention from the teachers and learn more.

27. Most of our school work is interesting and worth-while.

28. If a person wants to go to college and become an engineer for example, he can't get the courses he needs at this school.

29. The general attitude of the students at this school is usually very poor.

30. The walls of our classrooms do not go all the way up to the ceiling and the noise interferes with my classwork.

31. The teachers in this school do not enforce school regulations.

32. There are many interesting elective courses that I would like to take which are not offered at this school.

33. It seems to me that nearly everyone in this school smokes.

34. The principal and vice principals of this school seem to have the students at heart.

35. Our classrooms have no doors and the noise interferes with my classwork.

36. The teachers in this school do not give us enough individual help.

37. I believe high school science courses are really worth-while in preparing you for adult life.

38. Learning to get along with other people is an important part of your education, and I believe you have a better chance of learning this in this high school.

39. Being a teacher requires a high level of intelligence and education.

40. The teachers in this school do not care if we pass or fail.

41. Since starting high school, I have begun to get a real understanding of some of the important national and world problems facing us today.

42. The principal and vice principals of this school do not let us make decisions like they should.

43. The open space above the walls in our classrooms makes it easy to hear the people in the next room but this does not interfere with my classwork.

44. The math teachers I have had in this school don't seem able to explain things so that I can understand.

45. The teacher in this school do not let us make up the work we have missed.

46. I believe I am learning many things in high school that will help me to get more satisfaction out of adult life.

47. It seems to me that we have many fights among students in this school.

48. The principal and vice principals of this school are very considerate in asking us how we feel about what should and should not be done in this school.

49. The open doors of our classrooms make it easy to hear much noise and see people walking by, but this does not interfere with my classwork.

50. Many of the teachers in this school treat high school students as if they were still children.

51. The teachers in this school appear to cooperate with each other very well.

52. Our school offers a good education for the average student but offers very little for the person who is below or above average.

53. I believe that the student who doesn't like high school should be allowed to quit regardless of his age.

54. Most of our classrooms are built so that we can change the seating arrangement easily and quickly and I like the way the classroom can be changed quickly.

55. Much of what we learn seems unrelated to the important things going on in the world today.

56. The science teachers I have had in this school don't seem able to explain things so that I can understand.

57. When you do a good job in this school no one seems to notice, but when you do a poor job the teachers let you know about it.

58. I believe that the grades I get in this school do not give a fair indication of what I know.

59. I believe that the teachers here think they are as much a part of the school as the students do.

60. I believe that we need a better counseling program at this school.

61. There are very few decent jobs open these days for the person without a high school education.

62. I would rather have a bell to change classes than the music we hear during class changes.

63. A student is foolish to do any more work in high school than is needed to get by.

64. I believe that most of the teachers in this school do not like their jobs very much.

65. The seats, walls, halls, and classrooms at this school are real nice and help to make students want to learn.